

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



<b>COMBINED</b>		PTO/SB/01 (10-01)
<b>DECLARATION OF UTILITY OR DESIGN</b>		Attorney Docket Number: <b>15174-ZUS</b>
<b>PATENT APPLICATION (37 CFR 1.63)</b>		First Named Inventor: <b>WANG, Wilson</b>
<b>AND POWER OF ATTORNEY</b>		<i>Complete if known</i>
<input type="checkbox"/> Declaration Submitted with Initial Filing	OR	Application Number: <b>10/661,775</b>
<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(a)) required)		Filing Date: <b>September 15, 2003</b>
		Group Art Unit: <b>2858</b>
		Examiner Name: _____

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND SYSTEM FOR ONLINE MONITORING OF MULTISTAGE ROTARY MACHINERY**

the specification of which

☐ is attached hereto.

OR

☒ was filed on **09/15/2003**

(mm/dd/yyyy)

as United States Application Number or PCT International Application Number

and was amended on \_\_\_\_\_ (if applicable).

(mm/dd/yyyy)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)
<b>60/413,901</b>	<b>09/27/2002</b>

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

Page 1 of 3

[SOR.PAT.FORM 108 - 10/2001]

**COMBINED DECLARATION FOR UTILITY OR DESIGN  
PATENT APPLICATION (37 CFR 1.83) AND POWER OF ATTORNEY**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application, in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent Trademark Office connected therewith:

<input checked="" type="checkbox"/> Customer Number		020988		Place Customer Number Bar Code Label Here
OR <input type="checkbox"/> Registered practitioner(s) name/registration number listed below				
Name	Registration Number	Name	Registration Number	

Direct all correspondence to ☒ Customer Number or Bar Code Label: 020988 OR ☐ Correspondence address below.

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Country: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of sole or First Inventor

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Wilson

WANG

Inventor's Signature: Wang Date: Feb. 2, 2004  
Residence: City: Waterloo State: Ontario Country: Canada Citizenship: Canadian  
Post Office Address: c/o Mechworks Systems Inc., 145 Columbia Street West, Unit 5

City: Waterloo Province or State: Ontario Postal Code: N2L 3L2 Country: Canada

☒ Additional inventors are being named on the supplemental Additional Inventor(s) PTO/SB/02A attached hereto.

COMBINED DECLARATION FOR UTILITY OR DESIGN  
PATENT APPLICATION (37 CFR 1.63) AND POWER OF ATTORNEY

PTO/SB/02A (10-00)

**DECLARATION**ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 3 of 3

Name of Additional Joint Inventor, if any:

Given Name (first and middle (if any))

Family Name or Surname

Farid

GOLNARAGHI

Inventor's Signature

Date

Residence:

City

Waterloo

State

Ontario

Country

Canada

Citizenship

Canadian

Post Office Address c/o Mechworks Systems Inc., 145 Columbia Street West, Unit 5

City

Waterloo

Province  
or State

Ontario

Postal Code  
Or Zip

N2L 3L2

Country

Canada

Name of Additional Joint Inventor, if any:

Given Name (first and middle (if any))

Family Name or Surname

Fathy

ISMAIL

Inventor's Signature

Date

Residence:

City

Waterloo

State

Ontario

Country

Canada

Citizenship

Canadian

Post Office Address: c/o Mechworks Systems Inc., 145 Columbia Street West, Unit 5

City

Waterloo

Province  
or State

Ontario

Postal Code  
Or Zip

N2L 3L2

Country

Canada

Name of Additional Joint Inventor, if any:

Given Name (first and middle (if any))

Family Name or Surname

Inventor's Signature

Date

Residence:

City

State

Country

Citizenship

Post Office Address

City

Province  
or StatePostal Code  
Or Zip

Country

☒ Additional inventors are being named on the

supplemental Additional Inventor(s) PTO/SB/02A attached hereto.

[SOR: PAT FORM 106 - 10/2001]